



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/545,111	04/06/2000	Anthony J. Antonious	ADA-119	9274

21884 7590 11/30/2004

WELSH & FLAXMAN LLC  
2450 CRYSTAL DRIVE  
SUITE 112  
ARLINGTON, VA 22202

EXAMINER

PASSANITI, SEBASTIANO

ART UNIT	PAPER NUMBER
----------	--------------

3711

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

**Application No.**

09/545,111

**Examiner**

Sebastiano Passaniti

**Applicant(s)**

ANTONIOUS, ANTHONY J.

**Art Unit**

3711

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to telephone interview with applicant's attorney on 11/23/2004.
2. ☒ The allowed claim(s) is/are 1-41 and 63-72.
3. ☒ The drawings filed on 06 April 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**


5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 11/23/2004.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Sebastiano Passaniti  
Primary Examiner  
Art Unit: 3711

### **SUPPLEMENTAL EXAMINER'S AMENDMENT**

Upon further review, it has been determined that the Amendment B, received 03/09/2001, failed to indicate newly introduced and deleted material using underlining and bracketing, respectively, as required by 37 CFR 1.173(b)(1). Thus, the following examiner's amendment incorporates the changes proposed by the applicant to pages 1, 15 and 17. Bracketing and underlining has been used to indicate subject matter deleted and added, as necessary.

Authorization for this examiner's amendment was given in a telephone interview with Howard Flaxman (Reg. No. 34,595 on November 23, 2004).

#### **IN THE SPECIFICATION:**

##### **Page 1, lines 2-4:**

The present invention relates to golf clubs, golf shafts, and inserts for golf club shafts, and, in particular, to an improved golf club shaft having a coil or coil-type insert for enhanced swing weight control, stiffness and flex control, shock absorption, vibration elimination or reduction, and other club improvements.

##### **Page 1, line 21 to Page 2, line 6:**

There are a number of prior art patents dealing with shaft flexibility and variations in flex point. Some prior art patents of interest relating to golf shafts are shown in Design Patent No. 236,735 to Bush, U.S. Pat. No. 5,022,652 to Fenton, British Patent No. 471,020, [1936,] to TRION, and U.S. Pat. No. 5,316,299 to Feshe et al. In the inventor's opinion, these patents and the described inventions have not satisfied the

Art Unit: 3711

need for a shaft or the combination of a shaft and club head which provides the most optimum characteristics, at an affordable price range for the majority of golfers worldwide.

**Page 15, lines 1-10:**

FIGS. 6-11 show a golf club shaft 100 including a second embodiment of an insert 112. The insert 112 includes a coil 118, an upper female connector 120 and a lower male shank connector 122. As shown in FIG. 7, the insert 112 is positioned directly adjacent the hosel of a club head 124. The insert is preferably machined from titanium, in the manner previously taught, with the exception that the female connector has an outside diameter of approximately 0.360 and an inside bore of approximately 0.330. The diameter of the female connector will obviously vary to match the diameter of the shaft to which it will be connected. This embodiment has proven to provide excellent shock absorption characteristics, particularly for irons. While the placement of the insert at or near the club head adds to the swing weight of a given club, it also places more mass close to the ball, for greater force for a given acceleration at impact.

**Page 17, lines 8-11:**

FIG. 22 shows a ninth embodiment [of an insert] according to the present invention. Insert 712 is similar to the embodiment of the insert shown in FIG. 21, except that the insert 712 has an upper female connector 720 and a lower female connector


Art Unit: 3711

722. Both inserts are similar to the insert illustrated in FIGS. 5, 10 and 13, but only include 4 coils.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sebastiano Passaniti whose telephone number is 571-272-4413. The examiner can normally be reached on Mon-Fri (6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Vidovich can be reached on 571-272-4415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Sebastiano Passaniti  
Primary Examiner  
Art Unit 3711

S.Passaniti/sp  
November 23, 2004